

ATom - DC-8 05/12/18 Science Report

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Date: Saturday, May 12, 2018

Mission: ATom

Mission Summary:

ATom-4 PUQ-REC Science Flight Report

Submitted by: Erin Czech on 05/29/18

File:

 [ATom4 0512 PUQ-REC TR.pdf](#)

Related Flight Report:

DC-8 05/12/18

Flight Number: 1261

Payload Configuration: ATom-4 configuration - AMP, AO2, ARMAS, ATHOS, CANOE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-C, HR-AMS, ISAF (INOP), Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SA, SO2, SOAP, SP2, TOGA, UCATS, WAS

Nav Data Collected: Yes

Total Flight Time: 10 hours

Archive Data: [20180512](#) (83 archive (plain-text) files; 4 binary files)

Submitted by: Timothy Moes on 05/13/18

Flight Segments:

From:	SCCI - Punta Arenas	To:	SBRF - Recife, Brazil
Start:	05/12/18 11:28 Z	Finish:	05/12/18 21:27 Z
Flight Time:	10 hours		
Log Number:	188004	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Science		
Comments:	ATom-4 science flight RF08 SCCI-SBRF. Excellent science flight. Seven vertical profile maneuvers were accomplished (six were planned). The aircraft arrived in great shape. The ISAF instrument failed on the previous flight and is not repairable for the remainder of this campaign. The CAPS instrument struggled, but other than those two examples, the science instrument suite did well.		

Flight Hour Summary:

	188004
Flight Hours Approved in SOFRS	122.2
Total Used	133.2
Total Remaining	-11

188004 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
04/06/18	1249	Check	3.6	3.6	118.6	
04/10/18 - 04/11/18	1251	Check	5	8.6	113.6	
04/13/18 - 04/14/18	1252	Check	7.9	16.5	105.7	
04/24/18 - 04/25/18	1253	Science	9.5	26	96.2	
04/26/18	1254	Check	2.1	28.1	94.1	
04/27/18 - 04/28/18	1255	Science	10.3	38.4	83.8	

04/29/18 - 04/30/18	1256	Science	8.1	46.5	75.7
05/01/18 - 05/02/18	1257	Science	8.2	54.7	67.5
05/03/18 - 05/04/18	1258	Science	7.9	62.6	59.6
05/06/18 - 05/07/18	1259	Science	10.2	72.8	49.4
05/09/18	1260	Science	10.7	83.5	38.7
05/12/18	1261	Science	10	93.5	28.7
05/14/18	1262	Science	9.4	102.9	19.3
05/17/18	1263	Science	9.7	112.6	9.6
05/18/18	1264	Science	3.2	115.8	6.4
05/19/18 - 05/20/18	1265	Science	10.6	126.4	-4.2
05/21/18	1266	Science	6.8	133.2	-11

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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